Area Light  
& Pole Combo Program

Selection and Ordering as Easy as 1, 2, 3

1. Choose from the Following Pole Options:
   • Square Straight Steel Shaft (includes Full Base Cover)
   • Dark Bronze Powder Coated Finish
   • Length: 20 Feet or 25 Feet
   • Mountings: Single/ Double @ 90/ Double @ 180/ Triple @ 90/ Quad
   - All poles are drilled for four Luminaires, plugs will be provided for unused mounting if less than four fixtures are required

2. Select a Corresponding Fixture:
   • Evolve EACL01 - Compact Low Wattage Area Light
     • Standard: 120-277V/ 4000K/ Dark Bronze/ Type IV Forward Only
     • Lumen Packages: 5,000/ 10,000/ 12,500/ 15,000/ 20,000
     • Controls: With ANSI 7-pin PE Receptacle with Shorting Cap/ or None
   
   • Evolve EALS03 - Standard Area Light
     • Standard: 120-277V/ 4000K/ Dark Bronze/ No PE Controls
     • Lumen Packages: 10,000/ 15,000/ 20,000/ 30,000
     • Distribution Types: Type III Wide or Type IV Forward

3. Your Orders will be Shipped within 10 Days:
   • Two week lead time for order quantities of 10 poles or less
   • For larger orders please contact your customer service rep

Notes:

Shipping Bolts Early: At this time, the Bolts, Poles and Fixtures are all included in the combo. If you would like the bolts to ship early, please just make the request that the bolts be shipped immediately when you place the order and we will do our best to accommodate that request.

Mounting Bolt Pattern Templates are available on the Pole Product Page on our website.

Not Applicable for Canada Shipments
### Ordering Logic and Spec Tables

#### Ordering Number Logic:

<table>
<thead>
<tr>
<th>PFC</th>
<th>SSS411</th>
<th>00</th>
<th>40</th>
<th>DKBZ</th>
</tr>
</thead>
</table>

**PFC = Pole and Fixture Combination**

**SSS411 = Square Straight Steel, 4" x 4" with 11 Gauge Wall Thickness**

**POLE: HEIGHT**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>20 = 20 ft.</td>
<td>25 = 25 ft.</td>
<td>50 = 5000</td>
<td>01 = 120-277V</td>
<td>3AW = Asymmetric Wide</td>
<td>40K = 4000K</td>
<td>1 = None</td>
<td>DPKBZ = Dark Bronze</td>
</tr>
</tbody>
</table>

**NOTE:** Ordering Number Logic:

- **A02005AF401DKBZ**
- **A02005AF401DKBZ**
- **A02005AF401DKBZ**
- **A02005AF401DKBZ**
- **A02005AF401DKBZ**
- **A02005AF401DKBZ**

**NOTE:** Options in blue only available with EACL Fixtures

**3AW distribution only available for EALS03**

### Pole Specifications and Selection Table:

#### Pole Cat/Matrix:

<table>
<thead>
<tr>
<th>POLE CAT/MATRIX</th>
<th>SHAPE</th>
<th>STRAIGHT OR TAPERED</th>
<th>MATERIAL</th>
<th>HEIGHT (FT)</th>
<th>WALL THICKNESS (Gauge)</th>
<th>TOP DIMENSION (in x in)</th>
<th>ANCHOR BASE # (or bolts)</th>
<th>BOLT CIRCLE (in)</th>
<th>BOLT PROJECTION (in)</th>
<th>90 MPH</th>
<th>100 MPH</th>
<th>110 MPH</th>
<th>120 MPH</th>
<th>130 MPH</th>
<th>140 MPH</th>
<th>150 MPH</th>
<th>160 MPH</th>
<th>170 MPH</th>
<th>180 MPH</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCCS411T2**</td>
<td>Square</td>
<td>Straight</td>
<td>Steel</td>
<td>20</td>
<td>11</td>
<td>4 x 4</td>
<td>4 x 4</td>
<td>8.50</td>
<td>200</td>
<td>9.1</td>
<td>2.8</td>
<td>2.2</td>
<td>4.2</td>
<td>1.8</td>
<td>1.1</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>PCCS411T3**</td>
<td>Square</td>
<td>Straight</td>
<td>Steel</td>
<td>25</td>
<td>11</td>
<td>4 x 4</td>
<td>4</td>
<td>8.50</td>
<td>200</td>
<td>9.1</td>
<td>2.8</td>
<td>2.2</td>
<td>4.2</td>
<td>1.8</td>
<td>1.1</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

**NOTE:** See Pole Selection Guide Page for more information regarding proper sizing for poles.

Installer is responsible for proper sizing regarding the Pole & Fixture(s) configuration according to location of installation.

### Fixture Specifications and Selection Table:

#### Fixture Cat/Matrix:

<table>
<thead>
<tr>
<th>FIXTURE CAT MATRIX</th>
<th>PLATFORM</th>
<th>SUPPLY VOLTAGE</th>
<th>TYPICAL INITIAL LUMENS</th>
<th>WATTAGE</th>
<th>PHOTOMETRIC DISTRIBUTION</th>
<th>LUMENS PER WATT</th>
<th>BUG RATING</th>
<th>PE CONTROL</th>
</tr>
</thead>
<tbody>
<tr>
<td>A02005AF401DKBZ</td>
<td>EACL01</td>
<td>120-277V</td>
<td>5,000</td>
<td>36W</td>
<td>Type IV (Asymmetric Forward)</td>
<td>139</td>
<td>B1-UO-G1</td>
<td>None</td>
</tr>
<tr>
<td>A02010AF401DKBZ</td>
<td>EACL01</td>
<td>120-277V</td>
<td>10,000</td>
<td>73W</td>
<td>Type IV (Asymmetric Forward)</td>
<td>137</td>
<td>B2-UO-G2</td>
<td>None</td>
</tr>
<tr>
<td>A02012AF401DKBZ</td>
<td>EACL01</td>
<td>120-277V</td>
<td>12,500</td>
<td>95W</td>
<td>Type IV (Asymmetric Forward)</td>
<td>132</td>
<td>B2-UO-G2</td>
<td>None</td>
</tr>
<tr>
<td>A02015AF401DKBZ</td>
<td>EACL01</td>
<td>120-277V</td>
<td>15,000</td>
<td>122W</td>
<td>Type IV (Asymmetric Forward)</td>
<td>123</td>
<td>B2-UO-G2</td>
<td>None</td>
</tr>
<tr>
<td>A02020AF401DKBZ</td>
<td>EACL01</td>
<td>120-277V</td>
<td>20,000</td>
<td>153W</td>
<td>Type IV (Asymmetric Forward)</td>
<td>131</td>
<td>B3-UO-G3</td>
<td>None</td>
</tr>
<tr>
<td>A02025AF401DKBZ</td>
<td>EACL01</td>
<td>120-277V</td>
<td>5,000</td>
<td>36W</td>
<td>Type IV (Asymmetric Forward)</td>
<td>139</td>
<td>B1-UO-G1</td>
<td>None</td>
</tr>
<tr>
<td>A02020AF401DKBZ</td>
<td>EACL01</td>
<td>120-277V</td>
<td>10,000</td>
<td>73W</td>
<td>Type IV (Asymmetric Forward)</td>
<td>137</td>
<td>B2-UO-G2</td>
<td>None</td>
</tr>
<tr>
<td>A02025AF401DKBZ</td>
<td>EACL01</td>
<td>120-277V</td>
<td>15,000</td>
<td>122W</td>
<td>Type IV (Asymmetric Forward)</td>
<td>123</td>
<td>B2-UO-G2</td>
<td>None</td>
</tr>
<tr>
<td>A02030AF401DKBZ</td>
<td>EACL01</td>
<td>120-277V</td>
<td>20,000</td>
<td>153W</td>
<td>Type IV (Asymmetric Forward)</td>
<td>131</td>
<td>B3-UO-G3</td>
<td>None</td>
</tr>
<tr>
<td>A02005AF401DKBZ</td>
<td>EALS03</td>
<td>120-277V</td>
<td>10,100</td>
<td>70W</td>
<td>Type III (Asymmetric Wide)</td>
<td>144</td>
<td>B2-UO-G2</td>
<td>None</td>
</tr>
<tr>
<td>A02005AF401DKBZ</td>
<td>EALS03</td>
<td>120-277V</td>
<td>15,100</td>
<td>116W</td>
<td>Type III (Asymmetric Wide)</td>
<td>130</td>
<td>B2-UO-G2</td>
<td>None</td>
</tr>
<tr>
<td>A02005AF401DKBZ</td>
<td>EALS03</td>
<td>120-277V</td>
<td>30,000</td>
<td>239W</td>
<td>Type IV (Asymmetric Forward)</td>
<td>126</td>
<td>B3-UO-G4</td>
<td>None</td>
</tr>
</tbody>
</table>

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Before You Start...

A lighting pole must support the weight of the equipment you will mount on it and at the same time be able to withstand the effect of the maximum velocity winds to which it will be subjected. Therefore, the basis for selecting poles for this program is the weight and the Effective Projected Area (EPA) data shown in the Selection and Spec Charts under the headings "Total Fixture Weight" & "Total Fixture EPA" respectively.

Effective Protective Area (EPA)

The formula to calculate the force of wind acting on an object is Actual Projected Area of the Object X Coefficient of Drag X Velocity Pressure of the Wind. Effective projected area of EPA is the product of the first two. For example one luminaire has an actual projected area of 2.62 square feet and a drag coefficient of 0.57. Its EPA is thus 2.62 X 0.57 = 1.5 square feet. When mounting a luminaire, the centroid of the EPA should be no higher than 18 inches above the top of the luminaire mounting tenons.

Maximum Expected Wind Velocities

Recommended Total Load figures given in the Selection and Spec Charts are based on specific wind conditions - i.e. certain miles per hour isotach or MPH. The map below gives the maximum expected wind velocities in the contiguous United States, based on a 50-year mean recurrence interval. Refer to the map to find the maximum expected wind condition for the area you will be installing the lighting equipment. Velocities on the map are expected isotach gusts, not gust values.

AASHTO Wind Speed Map (2009)

All fixtures and arms are assigned an Effective Projected Area (EPA) value, which is defined as the maximum two-dimensional area multiplied by the drag coefficient (Cd) designated by the American Association of State Highway and Transportation Officials (AASHTO). The sum of the fixture and arm EPA must not exceed the maximum allowable pole EPA at the selected design wind speed.